

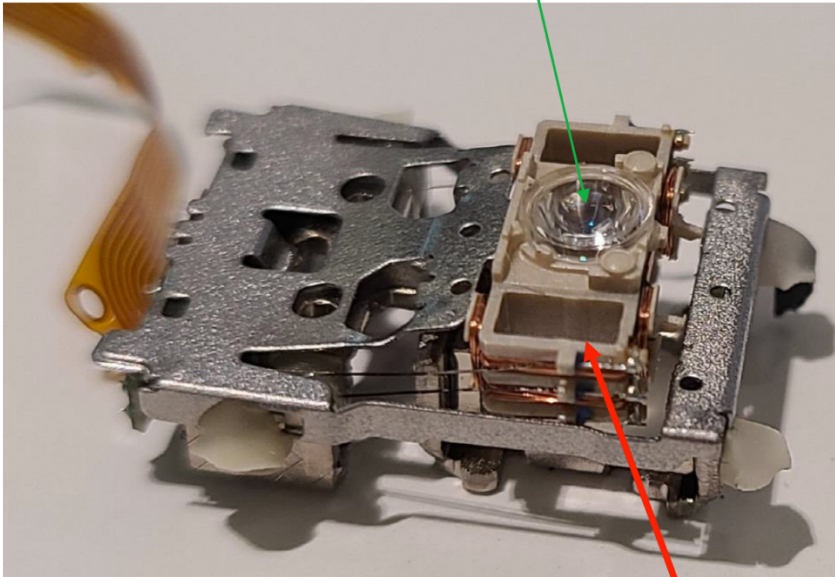
# Exhibit 2

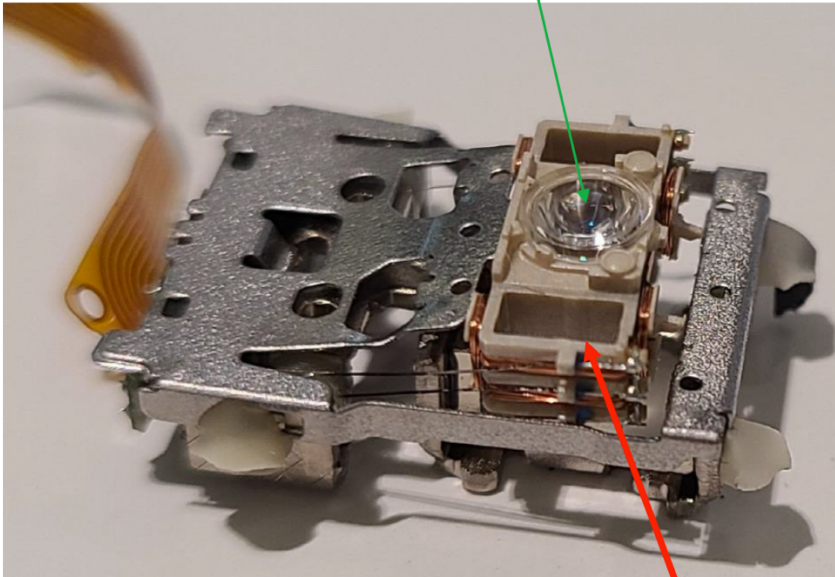
**Exhibit 2**  
**U.S. Patent No. 7,266,055**  
**v.**  
**Microsoft XBOX Series X (“Exemplary Product”)**

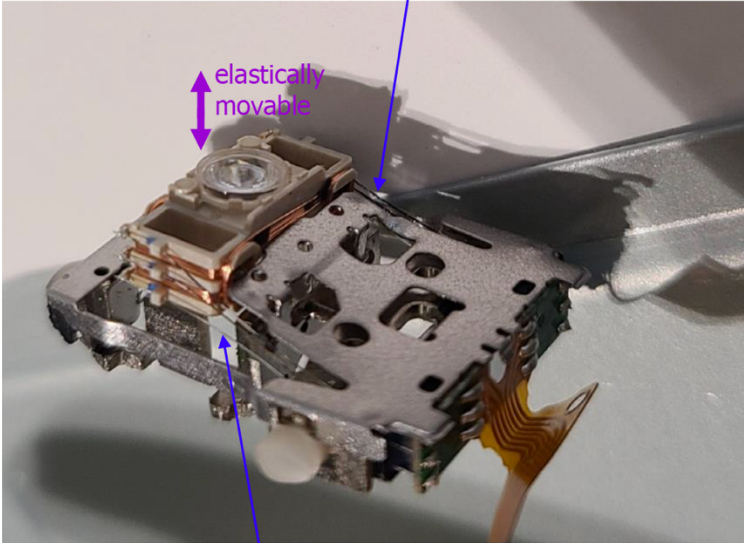
<b>Claim Language</b>	<b>Selected Analysis and Evidence Regarding Exemplary Product</b>
<b>Claim 1</b>	
1. An optical pickup actuator for use with an objective lens on a base, comprising:	<p>The Exemplary Product is an optical pickup actuator for use with an objective lens on a base.</p> <p>For example, Microsoft XBOX One, XBOX One S, XBOX One X, and XBOX Series X all include optical drives that utilize an optical pickup actuator for use with an objective lens on a base.<sup>1</sup> Below is an exemplary image of such a device:</p>

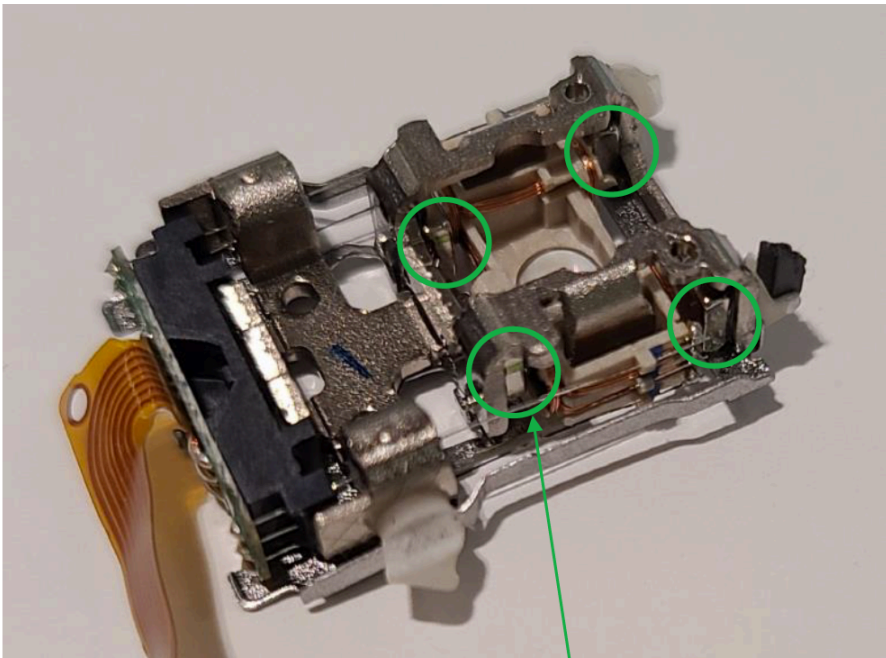
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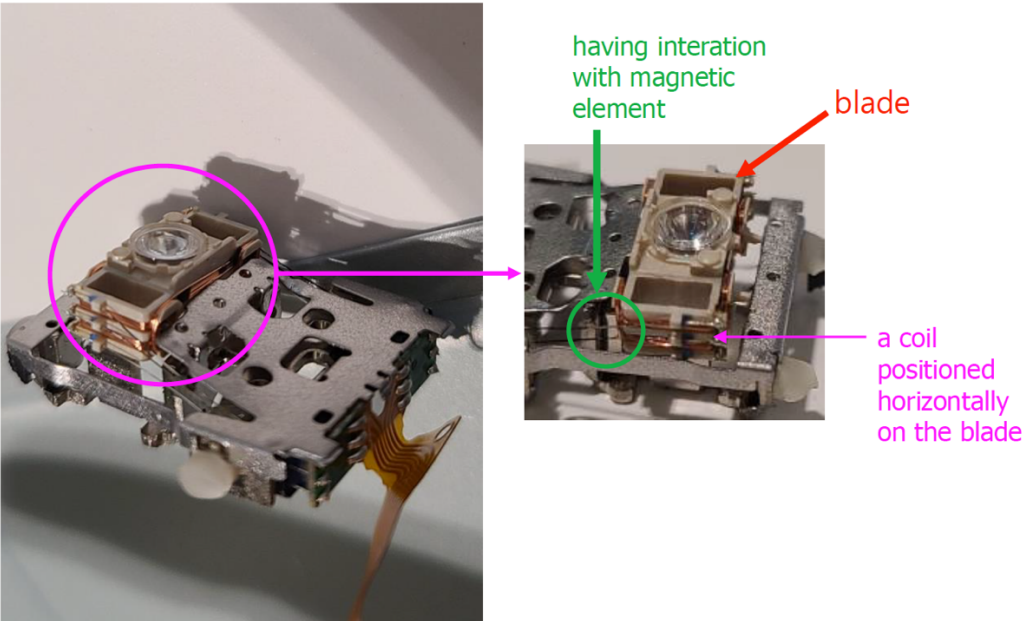
<sup>1</sup> The XBOX One uses a module with a model number of DG-6M1S. XBOX One S, XBOX One X, and XBOX Series X use a module with a model number of DG-5M5S. On information and belief, both version of the module infringe for at least similar reasons.

Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
	<p data-bbox="1087 245 1260 277">objective lens</p>  <p data-bbox="1310 1032 1394 1065">blade</p> <p data-bbox="596 1130 1927 1268">Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
[a] a blade holding the objective lens;	<p data-bbox="596 1312 1461 1344">The Exemplary Product includes a blade holding the objective lens.</p> <p data-bbox="596 1385 1423 1417">For example, these features are exemplified on the image below:</p>

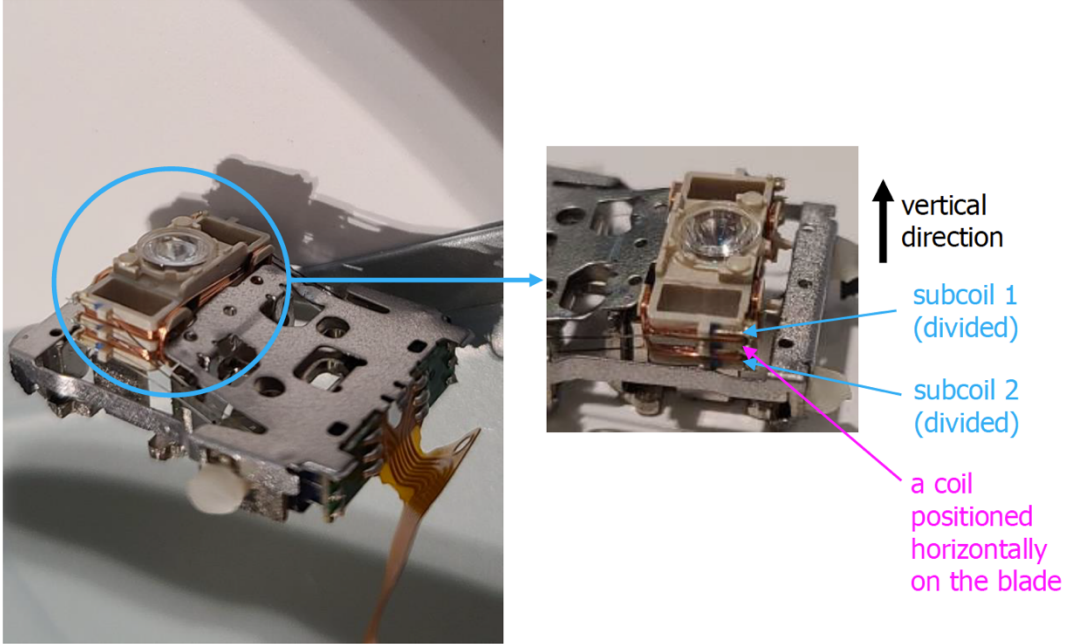
Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
	<p data-bbox="1087 245 1260 277">objective lens</p>  <p data-bbox="1310 1029 1394 1062">blade</p> <p data-bbox="596 1127 1927 1273">Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
[b] a plurality of suspension wires supporting the blade	The Exemplary Product includes a plurality of suspension wires supporting the blade on the base so that the blade is elastically movable.

Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
<p>on the base so that the blade is elastically movable;</p>	<p>For example, these features are exemplified in the image below:</p>  <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
<p>[c] a magnetic element positioned on the base; and</p>	<p>The Exemplary Product includes a magnetic element positioned on the base.</p>

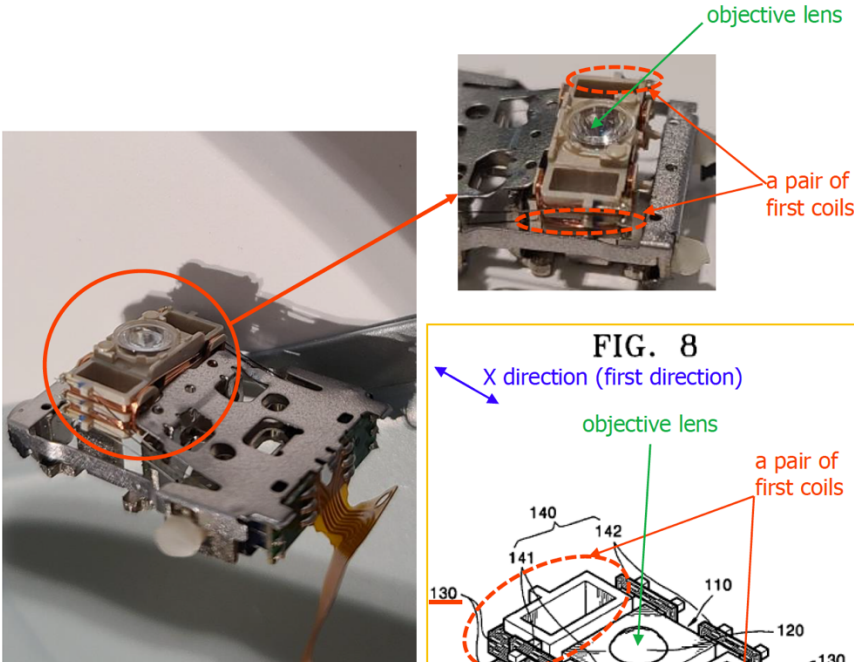
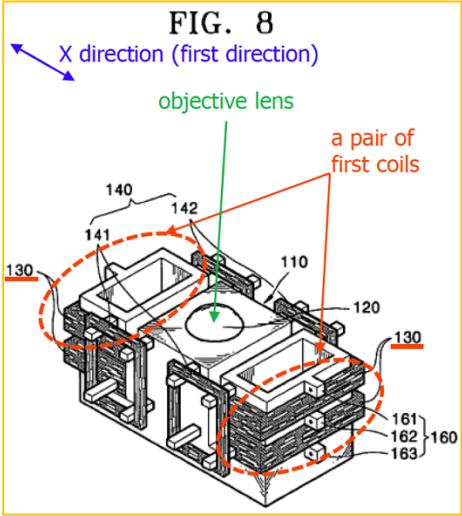
Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
	<p>For example, these features are exemplified below:</p>  <p>magnetic element</p> <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
[d] a coil positioned horizontally on the blade to generate an electromagnetic	The Exemplary Product includes a coil positioned horizontally on the blade to generate an electromagnetic force in a focusing and/or tilting direction through an interaction with the magnetic element.

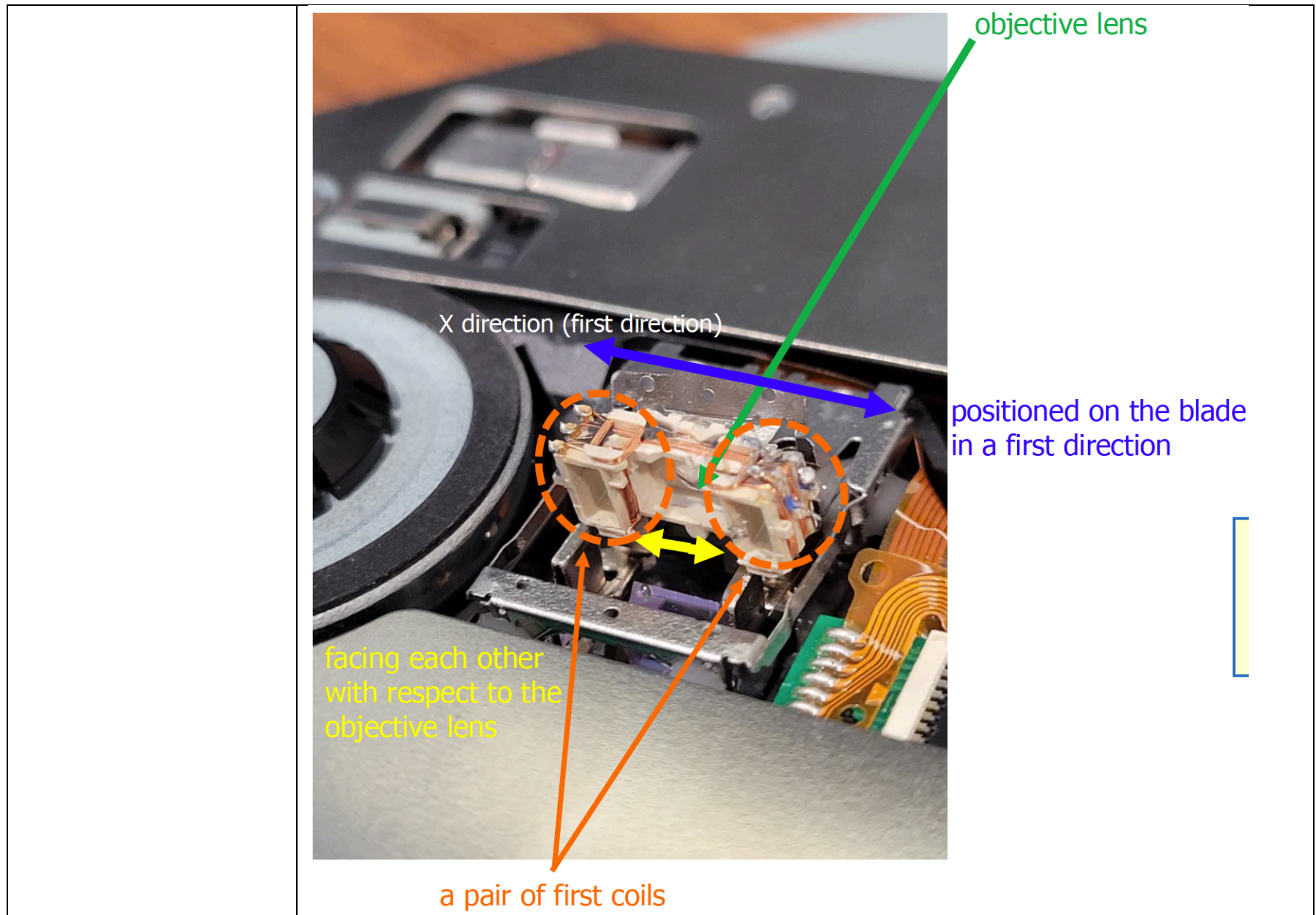
Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
<p>force in a focusing and/or tilting direction through an interaction with the magnetic element,</p>	<p>For example, these features are exemplified on the image below:</p>  <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
<p>[e] wherein the coil is divided into a plurality of subcoils, where each subcoil</p>	<p>The Exemplary Product includes a coil that is divided into a plurality of subcoils, where each subcoil is separated from an adjacent subcoil in a vertical direction.</p>



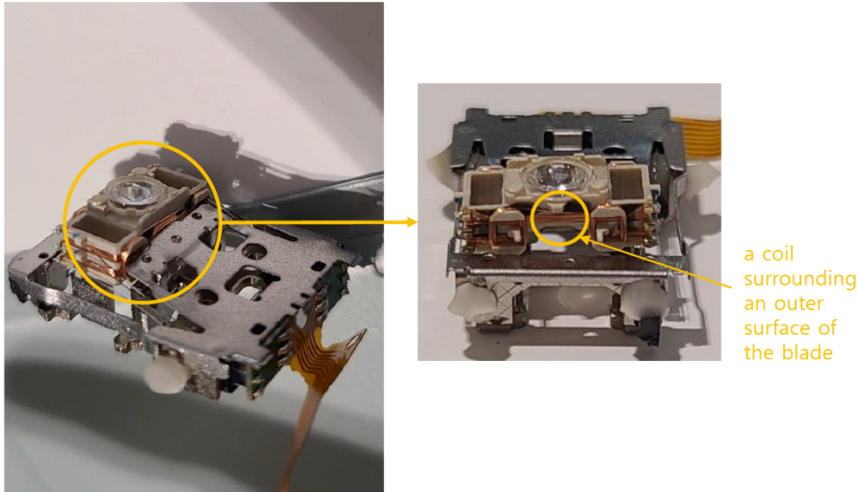
Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
<p>is separated from an adjacent subcoil in a vertical direction, and</p>	<p>For example, these features are exemplified below.</p>  <p><i>See also</i> '055 patent at 9:45-50 (“For example, as shown in Fig. 8, a first coil 130 in (a)-type and (b)-type optical pickup actuators is exposed to two sides of a blade 110. In this case, the first coil 130 is vertically divided into a plurality of subcoils to facilitate installation of the hinges 160.”).</p> <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
<p>[f] wherein the coil comprises a pair of first</p>	<p>The Exemplary Product includes a coil that comprises a pair of first coils positioned on the blade in a first direction and facing each other with respect to the objective lens.</p>

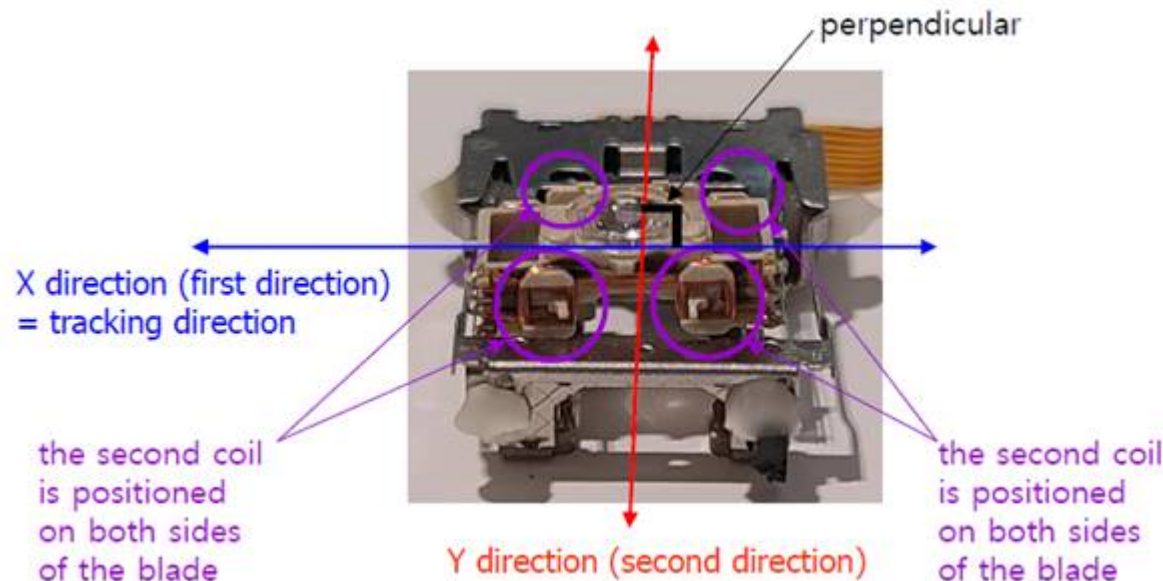


Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
<p>coils positioned on the blade in a first direction and facing each other with respect to the objective lens.</p>	<p>For example, these features are exemplified below:</p>  <p>FIG. 8</p> 



Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
	<p><i>See also</i> '055 patent at Figs. 4, 8, 6:39-48 (“First, second and third coils 130, 140, and 150, respectively, are positioned on the blade 110. The first coil 130 is positioned horizontally on the blade 110 and includes a pair of coils 131 and 132 positioned in an X direction (first direction) symmetrically with respect to the objective lens 120. The second coil 140 is disposed on either one or two sides 113 and 114 in the Y direction (second direction) of the blade 110 (i.e., opposite the magnets 180) to generate an electromagnetic force in tracking direction a X due to interaction with the magnets 180.”).</p> <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
<b>Claim 2</b>	
The optical pickup actuator according to claim 1, wherein the coil comprises a coil surrounding an outer surface of the blade.	<p>The Exemplary Product includes a coil surrounding an outer surface of the blade.</p> <p>For example:</p>

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	 <p data-bbox="594 850 1927 992">Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
<b>Claim 3</b>	
<p>The optical pickup actuator according to claim 1, further comprising a second coil positioned vertically on a side of the blade in a second direction substantially perpendicular to the first direction, the second coil</p>	<p>The Exemplary Product includes a second coil positioned vertically on a side of the blade in a second direction substantially perpendicular to the first direction, the second coil generating an electromagnetic force in a tracking direction through interaction with the magnetic element.</p> <p>For example, this aspect of the invention is described in Figure 4 and 6:39-52. The Exemplary Device is similar to the preferred embodiment in the '055 patent:</p>

Claim Language	Selected Analysis and Evidence Regarding Exemplary Product
<p>generating an electromagnetic force in a tracking direction through interaction with the magnetic element.</p>	<div data-bbox="693 235 1848 812">  </div> <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>
<b>Claim 4</b>	
<p>The optical pickup actuator according to claim 3 , wherein the second coil is positioned on both sides of the blade.</p>	<p>The Exemplary Product includes a second coil is positioned on both sides of the blade.</p> <p>For example, <i>see</i> claim 3.</p> <p>Investigation of both the patent and the Exemplary Product (and other potentially infringing products) is ongoing. This chart is based on evidence and analysis reasonably accessible at this time. TS-Optics reserves the right to update and amend its contentions, including adding additional claims and evidence, as the litigation progresses and discovery is provided by the defendant.</p>

Claim Language	Selected Analysis and Evidence Regarding Exemplary Product